

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/040201 A1

(51) International Patent Classification⁷:
7/08, 9/00, A61K 38/10, 38/16

C07K 7/00,

(71) Applicant (for US only): NATIONAL JEWISH MEDICAL AND RESEARCH CENTER [US/US]; 1400 Jackson Street, Denver, CO 80206 (US).

(21) International Application Number:

PCT/US2004/034948

(72) Inventors; and

(75) Inventors/Applicants (for US only): GALLO, Richard [US/US]; 3036 Serbian Pl., San Diego, CA 92117 (US). MURAKAMI, Masamoto [US/US]; 8066 Regents road, #1102, San Diego, CA 92122 (US). LEUNG, Donald, Y.M. [US/US]; 1400 Jackson Street, Denver, CO 80206 (US).

(22) International Filing Date: 20 October 2004 (20.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/512,953 21 October 2003 (21.10.2003) US

(74) Agent: BAKER, Joseph, R., Jr.; Fish & Richardson P.C., 12390 El Camino Real, San Diego, CA 92130 (US).

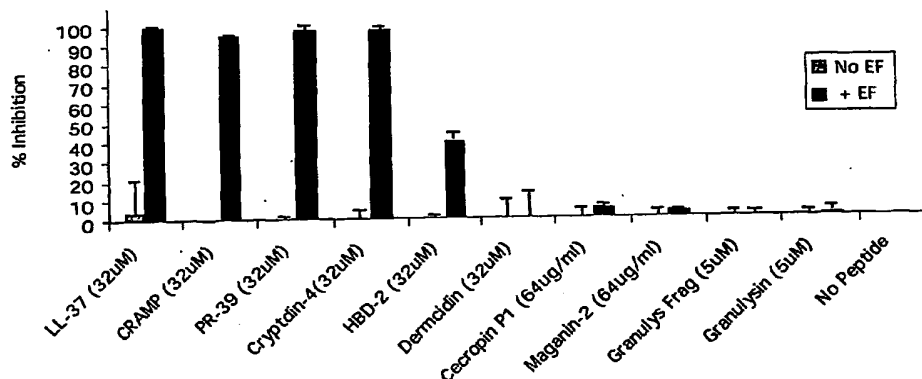
(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 60/512,953 (CIP)
Filed on 21 October 2003 (21.10.2003)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US (patent), UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: HUMAN CATHELICIDIN ANTIMICROBIAL PEPTIDES

Effect of EF on the Inhibitory Activity of Various Antimicrobial Peptides on Staph Aureus
(+150mM NaCl and 10% FCS)



(57) Abstract: Provided are peptide and peptide consensus sequences, which inhibit bacterial growth and/or viral growth and mimic the activity of LL-37, CRAMP, and/or FALL-39. The peptides are useful as antimicrobials, anti-inflammatories and anti-viral agents.

WO 2005/040201 A1



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.